

ABSTRACT OF THE DISCLOSURE

An object velocity measuring apparatus of this invention for measuring an object velocity in a photographic field from a plurality of photographic frames made up of a plurality of pixels comprises 5 an object area extracting unit configured to extract, as an object area, a set of pixels from which an object has been sensed over at least M ($M < N$) of N successive frames including the present frame, 10 a center-of-gravity computing unit configured to calculate the center-of-gravity position coordinates of the extracted object area in the photographic field, and a velocity computing unit configured to calculate the object velocity from the movement of the calculated 15 center-of-gravity position coordinates between different frames.